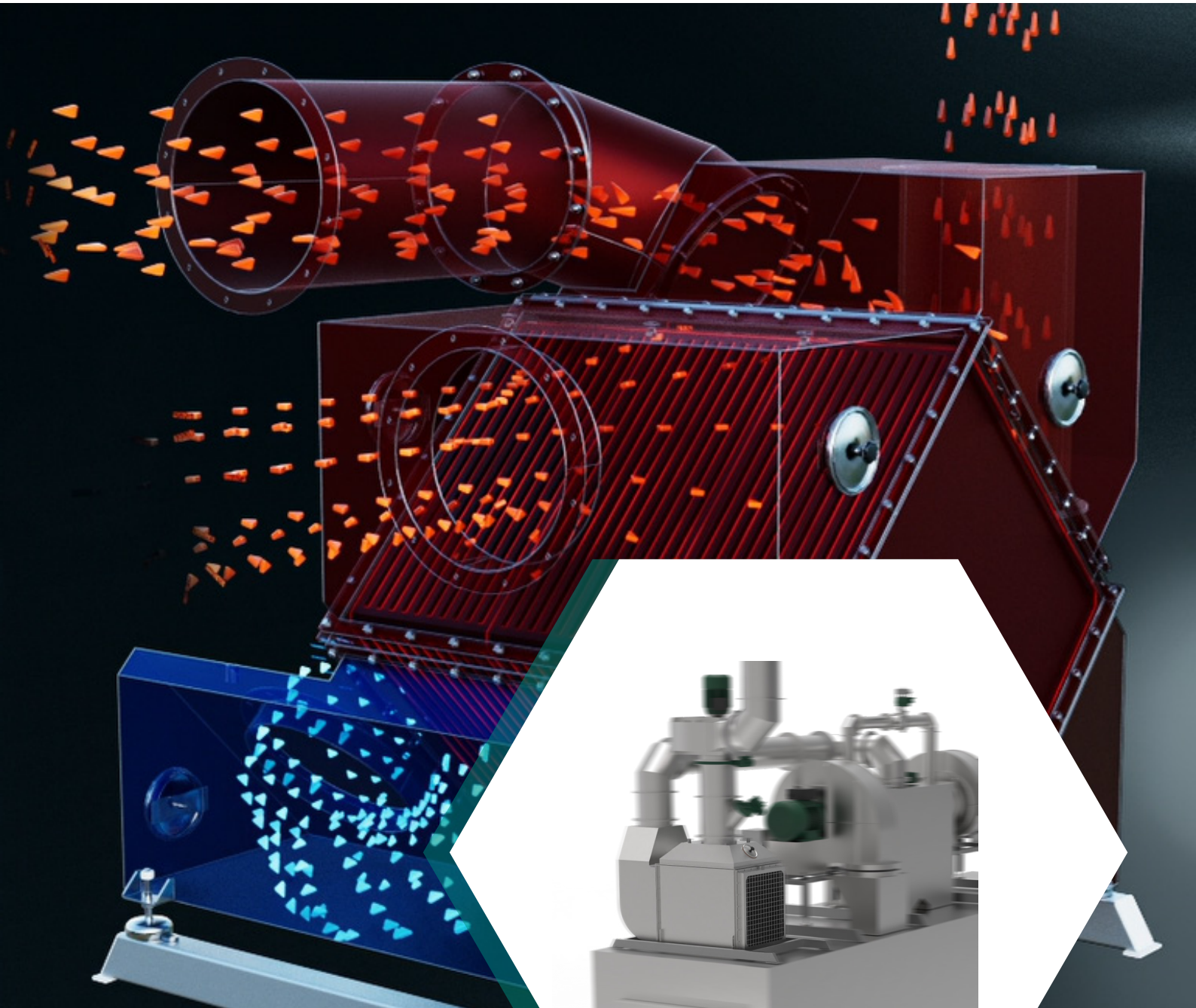


ECO CON

HEAT RECOVERY SYSTEM



The **ECO CON** enables the recovery and use of waste heat to further minimize energy consumption and reduce the environmental impact. This innovative system is suitable for AEROMAT Installations.



BENEFITS

1.

TOP ENERGY EFFICIENCY

- During the energy-intensive drying step, the fresh air from the production area is pre-heated by the exhaust air of the installation and fed to the process
- The energy demand of the installation can be reduced by up to 30%.

2.

OUTSTANDING CLIMATE PROTECTION

- Environmental impact is reduced to a minimum

3.

MAXIMUM USER FRIENDLINESS

The profitability of ECO^{CON} is shown and evaluated in our control system MICROMAT.

EXAMPLE OF RETURN ON INVEST

PRECONDITIONS	UNIT	VALUE
Quantity of trolleys	-	8
Loading	kg/trolley	200
Total weight	kg	1600
Heating	kWh	1365
Electricity	kWh	119
Production time	hours/day	23
	days/week	7
	weeks/year	50
	hours/week	161
Prices	gas €/kWh	0,060
	electricity €/kWh	0,261
Temperatures	fresh air °C	15
	process °C	85
Drying time	hours	6

RESULTS	UNIT	AMOUNT
EXPENSES		
Gas (drying)	€/batch	81,90
Electricity	€/batch	186,27
COSTS WITHOUT HEAT EXCHANGER		
Energy costs	€/batch	268,17
	€/year	332.122,16
	Cent/kg	16,76
Savings	kWh/batch	442,2
	€/batch	46,19
COSTS WIT HEAT EXCHANGER		
Energy costs	€/batch	221,98
	€/year	274.916,92
	Cent/kg	13,87
SAVINGS PER YEAR	€	57.205,24

Source: Dog food producer EU / 2024

DIMENSIONS

The dimension of ECO^{CON} is individual for each installation, detemerined by the customer's conditions.

VETEC ANLAGENBAU GMBH

Karoline-Herschel-Straße 2
27283 Verden · Germany

T +49 4231 777-7
F +49 4231 777-868

sales@vetec-anlagenbau.com
www.vetec-anlagenbau.com

Version 1.0 · 2024

We reserve the right to make technical modifications © Marketing